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REMARKS

The above amendment more clearly distinguishes the invention from the teachings of the Sui et al. reference cited in the Supplemental Information Disclosure Statement dated July 18, 2002, which is limited to the disclosure of intermolecularly cross-linked (i.e., thermoset materials) which would be insoluble, whereas the claimed invention is directed to chemical compounds and soluble molecular sensors having intramolecularly linked diacetylene moieties. Whereas Applicants disclose (at pages 10 and 11) that intramolecular linking is favored by: (1) utilizing methylene spacers having a length that can be adjusted to promote intramolecular and suppress intermolecular polymerization, (2) using higher generation dendrimers and dendritic polymers having a weight average molecular weight in excess of 10,000 Daltons, and (3) carrying the reaction out at high dilution (e.g., 10^{-5} M), whereas the Sui et al. reference only provides enablement for intramolecular cross-linking of the reaction product of a dendrimer and 10,12-pentacosadiynoic acid, and discloses that "it is very unlikely that the diacetylene groups from the same dendrimer polymerized together, the observed polymerization must extend from one dendrimer to another dendrimer." Thus, the Sui et al. reference teaches against the claimed invention.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment in which deletions are bracketed and additions are underlined.

In view of the above amendments and remarks, it is submitted that the application is in condition for allowance and notice of the same is earnestly solicited.

Respectfully submitted,

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Date

GJE/daw



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VERSION WITH MARKINGS TO SHOW CHANGED MADE

In the Claims:

Claim 1 has been amended as follows:

1. (Amended) A compound comprising:

a dendritic polymer core, and:

segments containing alternating conjugated double and triple bonds[, said segments] formed by intramolecular linking of diacetylene moieties bonded to [the surface of] the dendritic polymer core.